Triangle Activity Partner A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Partner B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance Formula Midpoint Formula

dist07b.gif midpt07.gif

The vertices of your triangle are located at X(-2,1), Y(2,5), and Z(4,3).

For these problems round to the nearest tenth if necessary.

Partner A: Graph triangle XYZ and label the vertices.



Partner B: Find the length of XY, and the midpoint of XY. Put your calculations here and plot the midpoint on the segment.

Partner A: Find the length of YZ, and the midpoint of YZ. Put your calculations here and plot the midpoint on the segment.

Partner B: Find the length of XZ and the midpoint of XZ. Put your calculations here and plot the midpoint on the segment.

Partner A: Determine the perimeter of the triangle. Show all calculations here.